Request to Archive
With The National Centers for Environmental Information
For LAI/FAPAR (Land Sfc) CDR
Provided by NASA

2014-09-12

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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NASA

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email

2. Name the organization or group responsible for creating the dataset.

NASA GSFC code 619 and University of Maryland Department of Geographical Sciences

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

The daily Leaf Area Index (LAI) and the Fraction of Absorbed Photosynthetically Active Radiation (FAPAR) and quality flags, global coverage, pixel size is 0.05deg (latitude) x0.05deg (longitude). The quality flags include the quality control (cloud, invalid input surface reflectance, Output out of range), the biome class used for the algorithm.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 1981

Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

version 4

6. Approximate date when the dataset was or will be released to the public:

2014

7. Who are the expected users of the archived data? How will the archived data be used?

Land applications community

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

No

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

Product is part of the AVHRR Land Surface CDR Bundle

10. List the input datasets and ancillary information used to produce the data.

The algorithm uses AVHRR surface reflectance data set. MCD12C1 IGBP MODIS Land cover classification is used as ancillary.

11. List web pages and other links that provide information on the data.

Product documentations is available from http://ltdr.nascom.nasa.gov/

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. CDR Documentation: ATBD, Flow Chart, Maturity Matrix
2. CF-convention compliant metatada (NetCDF format)

13. Indicate the data file format(s).

1. netCDF-4

14. Are the data files compressed?

netCDF-4/HDF5 compression

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

AVHRR-Land_vVVV_AVH15C1_NOAA-XX_YYYYJJJ_c[productiondatetime].nc
VVV version
YYYY year of acquisition
JJJ julian day of acquisition,
XX NOAA mission (07,09,11,14,16,18)

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

data set available in November 2014

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume:	85GB
Number of Data Files:	12487

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate:	7MB per Day
Data File Frequency:	1 per Day
Data Production Start:	2014-09-1

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

Algorithms improvements (minors, no changes to format etc...)

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: NASA Goddard Space Flight Center

System Name: ldr.nascom.nasa.gov

System Owner: NASA/GSFC Code 618

Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL
2. FTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Unknown

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

These datasets are used in a number of applications of societal benefits including vegetation monitoring (droughts) and agriculture yield forecasting.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

Sponsor: NOAA Climate Data Records (CDR) Program, NCDC, Asheville.

Title: A Terrestrial Surface Climate Data Record for Global Change Studies :AVHRR Surface Reflectance FCDR and the Normalized Difference Vegetation Index TCDR

29. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2014-10-30

Accessible by:

30. Add any other pertinent information for this request.

None